

- **Moment-resistant connections** in seismic zones
- **Haunch reinforcements** at roof transitions

2. Secondary Structural Elements

- **Purlins and girts** for cladding support
- **Bracing rods** for wind load resistance
- **Base plate anchors** for foundation stability

3. Specialized Components

- **Crane runway beams** in industrial PEBs
- **Mezzanine floor supports**
- **Canopy and walkway frameworks**

Technical Specifications

Grade	Yield Strength (MPa)	Elongation (%)	Carbon Equivalent (C.E.)	Ideal For
E250	250 min	23+	â?±0.42	Light-duty PEBs
E350	345 min	22+	â?±0.45	Medium-rise buildings
E410	410 min	20+	â?±0.48	Heavy industrial PEBs

*All grades suitable for:

- **Hot-dip galvanizing** (up to 120µm coating)
- **Shot blasting** for paint adhesion

Why Engineers Specify Steelmet for PEB Projects

- â? PEB-specific alloys developed with leading building system manufacturers
- â? Just-in-time cutting to project drawings (save 15% material waste)
- â? Batch traceability with mill test certificates for compliance
- â? Technical support for connection design and welding procedures

Explore our PEB reinforcement solutions at [Steelmet Industriesâ?? website](#) or request project-specific grade recommendations from our engineering team.

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1. Posts

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1. building reinforcement
2. Construction Materials
3. industrial construction
4. PEB construction
5. pre-engineered buildings
6. seismic reinforcement
7. steel alloys
8. à¤,à¥à¤?à¥?à¤² à¤-à¥à¤°à¤¾à¤?à¤? à¤-à¤¾à¤° (Steel Bright Bar)
9. steel framing
10. Structural Steel

Date

20/06/2026

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admin

Steelmet Industries - Bright Bars, Alloy Steels, Prec Cutting Steels, Stainless Steels